

5

CLAIMS

What is claimed is:

1. Multilayered, breathable textile fabric (1) for articles of clothing with enhanced wearing comfort owing to easy moisture transport, characterized in that the textile fabric (1) comprises at least two separate layers (2,3), the two separate layers being bonded to each other at predefined positions (5) by means of selected bounding yarns which are part of the layer (3) which faces away from the skin, the bounding yarns being woven or knitted or stitched through the ply (2) on the skin side, whose warp and weft yarns consist of aramid yarns or aramid twisted threads or aramid filament yarns or yarns made of blended fibers containing polybenzimidazole and aramid fibers, whereby the layers (2,3) have different individual fiber degrees of fineness in order to bring about a fineness gradient over the thickness (7) of the fabric (1), whereby the side (6) of the layer (2) that essentially faces the skin has the coarser individual fiber titer and the layer of the side (4) facing away from the skin has the finer individual fiber titer.

2. The textile fabric according to Claim 1, characterized in that the layer (2) is a woven, a knitted fabric or a warp knitted fabric.

3. The textile fabric according to Claim 1, characterized in that the second layer (3) is a woven, a knitted fabric or a warp knitted fabric.

4. The textile fabric according to Claim 1,2 or 3, characterized in that all of the layers (2,3) have a structure exhibiting at least two different individual fiber finenesses.

5. The textile fabric according to Claim 1 to 4, characterized in that it is a duplex construction with two layers bonded to each other.

5 6. The textile fabric according to one of Claims 1 to 5, characterized in that the layer (2) as well as the layer (3) are visible on the side (6) facing the skin, whereby, however, the surface proportion can vary.

10 7. The textile fabric according to one of Claims 1 to 6, characterized in that the re-drying time of the side (6) facing the skin is optimally shortened by the combination of extremely fine fibers and a large surface area of the article.

15 8. The textile fabric according to one of the preceding Claims 1 to 7, characterized in that the two layers (2,3) are bonded to each other by a special double-face weave, by a special double-face knit or by a special double-face warp knit.

20 9. The textile fabric according to one of the preceding Claims 1 to 8, characterized in that the layers (2,3) have a square meter weight in the range from 50g/m² to 450g/m², whereby the square meter weight of the individual layers can be identical or different.

25 10. The textile fabric according to one of the preceding Claims 1 to 9, characterized in that the layer (3) is arranged on the outside (4) or on the side (4) facing away from the skin and in that it has an individual fiber titer of less than 1.3 dtex.

30 11. The textile fabric according to Claim 1, characterized in that the warp yarns comprise multifilament aramid yarns or multifilament aramid twisted yarns or aramid filament yarns and the weft yarns alternately comprise multifilament aramid yarns or multifilament aramid twisted yarns or aramid filament yarns.

35 12. The textile fabric according to Claim 1 or 11, characterized in that the multifilament aramid yarns or multifilament aramid twisted threads or aramid filament yarns present in the weft yarns are similar or identical to one of the two

5 alternately arranged, different multifilament yarns or multifilament twisted threads
or aramid filament yarns that form the warp yarns.

13. The textile fabric according to Claim 1 or 12, characterized in that the aramid yarn contains fibers that are selected from the group consisting of poly-m-phenylene isophthalamide fibers, poly-p-phenylene terephthalamide fibers or mixtures of poly-m-phenylene isophthalamide and poly-p-phenylene terephthalamide fibers.

14. An article of clothing, characterized by a structure consisting of at
15 least one two-layered textile composite having an inner layer, optionally a middle
layer, made of a polyester or polyamide or aramid microfiber fabric, and an outer
layer, whereby the multilayered, breathable textile fabric according to one of Claims
1 to 13 forms the inner layer.

15. An article of work clothing for protection against the effects of heat, flames or electric arc and having a textile cover layer made of high-temperature-resistant fibers, characterized by a structure made up of at least a two-layered textile composite having an inner layer, optionally a middle layer made of a polyester or polyamide or aramid microfiber fabric, and an outer layer consisting of a textile material made of high-temperature-resistant fibers, whereby the inner layer contains a multilayered, breathable textile fabric according to one of Claims 1 to 13.

16. The article of work clothing according to Claim 15, characterized in that it is a fireproof jacket or fireproof pants.